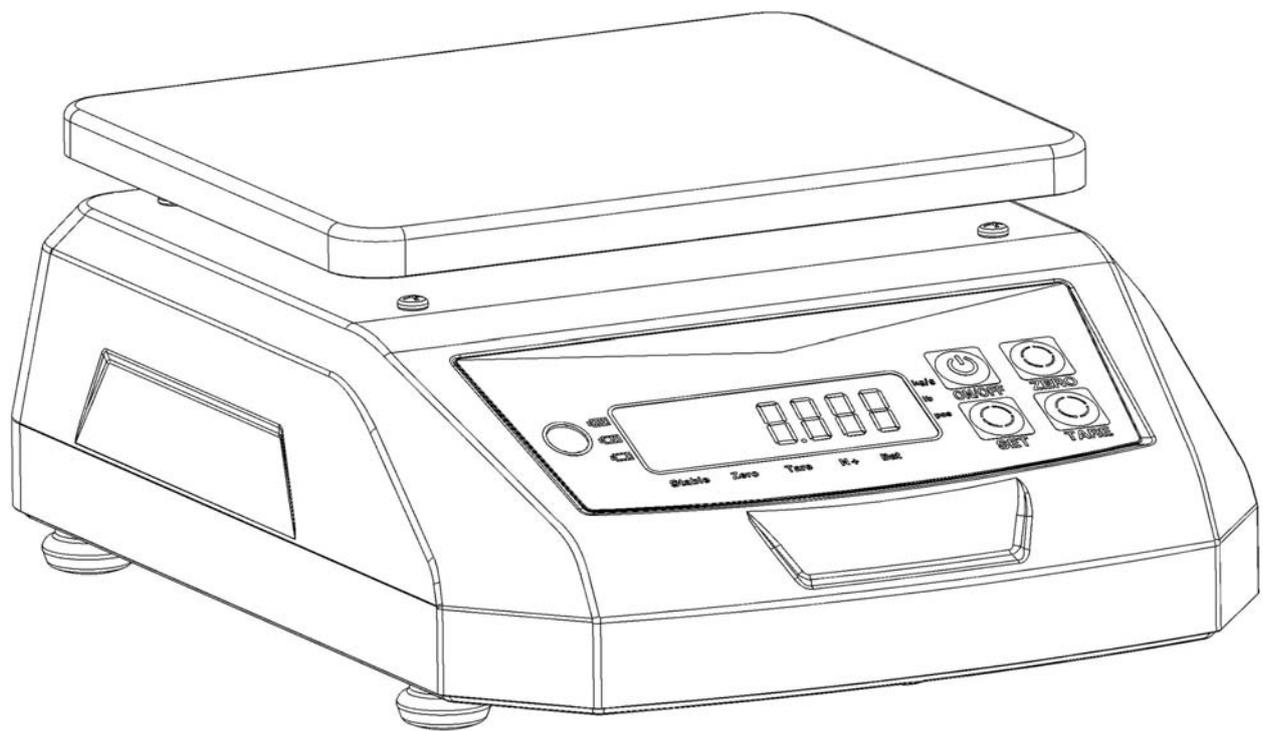


Waterproof Balance (scale)

User's Manual



Contents

【1】	Attention	1
1.1	Conventional Attention	
1.2	Attention before using	
【2】	Installation	2
2.1	Scale's Installation	
2.2	Battery Replacement	
【3】	Instruction	2
3.1	Main Parameter	
3.2	Power	
【4】	Display	3
4.1	Panel Instruction	
4.2	Definition of Key	
【5】	Operation	4
【6】	Function Settings	6
【7】	Error Messages	7
【8】	Detailed Models	7
【9】	Warranty	7

Thanks for using the waterproof balance (scale) of our company. The high quality and reliability of the products will make you satisfied. Through the use of the products you will be able to fully realize the high quality and reliability of our products, and believe that our products can fully meet your requirements. If you have any suggestions, please free to contact us.

【1】 Attention

1.1 Conventional Attention

1. In order to apply the balance (scale) correctly, please read the instruction manual completely before using the scale so that you can know clearly the performance and operation of product.
2. Keep the balance (scale) clean if the product will not be used for a long time and recharge the battery once every three months. When applying the product again a long time later, you must recharge the battery at first.
3. The maintenance-free lead-acid batteries is installed in the product, which life is due to how to use it, so it is beyond the scope of the warranty.

1.2 Attention Before Use

1. Place the balance (scale) on a clean, firm and flat surface of table to avoid vibrations, heat sources, or rapid temperature changes. Adjust the 4 leveling feet so that the bubble is centered in the circle. Be sure the scale is level each time its location is changed.
2. Connect the AC adapter to the independent power supply for avoiding interference from other power.
3. Do not put loads on the pan when you turn scale on.
4. Preheat the balance (scale) for 3-5 minutes before use.
5. For weighing accuracy, the center of gravity of object should be placed in the center of and beyond the edge of pan.

Warning: Don't be charging in the water

【2】 Installation

2.1 Installation Body'S

1. Contents in Box

No.	Name	Unit	Qty.
1	scale's body	pc	1
2	instruction manual	pc	1
3	qualification	pc	1
4	service manual	pc	1
5	stainless steel pan	pc	1
6	foam	set	1

2. Place the scale's body on the surface of a firm and horizontal table, adjust the feet to keep the scale stable so that the bubble is centered in the circle .

3. Put the pan onto the weighing platform before turning the scale on, then enter weighing mode.

【3】 Instruction

3.1 Main Parameters

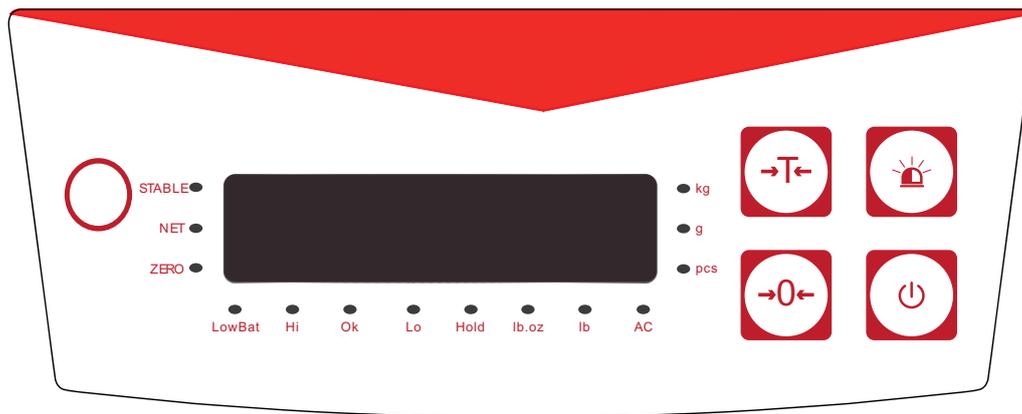
Accuracy: $\textcircled{\text{III}}$
Model: (3000-30000) d
Nonlinearity: $\leq 0.01\%$ F. S
System Working Voltage: DC 5V
Conversion Rate: 20 times/sec. (adjustable)
Internal Resolution: 1 million

3.2 Power

Input: AC 220V
Output: AC 12V1A

【4】 Display

4. 1 Cursor Indicator



4. 2 Definition of Keys



: press the key and weight displays to zero when load is in the scope of tare weight. Net weight cursor is bright to display net weight. In weighing mode, long press the key for 3 seconds to turn on/off the function of animal scale.



: press the key and weight display zero when load is in the scope of zero. Zero point cursor is bright to display zero position. In weighing mode, long press the key for 3 seconds to convert units.



: In weighing mode, press the key to turn on/off the function of alarm. Long press the key for 3 seconds to set the function of alarm in weighing mode.



: press the key to turn scale on when power off.
press the key to display “off” and turn scale off when power on.
press the key to enter function setting in weighing mode.

【5】 Operation

5. 1 Turn Scale On

When power off, press  key, LED is all bright and count backward from 999999 to 000000, then display model and voltage of battery, enter weighing mode.

5. 2 Unit Conversion

Long press  key for 3 seconds to convert the units of kg, g, lb, lb-oz, pcs.in weighing mode.

5. 3 Animal weighing

Long press  key for 3 seconds to turn on/off animal weighing mode.

5. 4 Count

Long press  key for 3 seconds to display {SP= 5}, and place the samples, then press  key to select the sample number 5, 10, 20, 50, 100, 200, 500, press  key to display the sample number.

5. 5 Upper and Lower Limit Settings

In weighing mode, turn on function of high and low limit, long press  key for 3 seconds, display {SET-Hi}, press  key to enter upper limit settings: press  key to change number, press  key to move position, press  key, display {SET-LO}; press  to enter lower limit settings: press  key to change number, press  key to move position, press  key, display {SET-Li}; press  key to set and press  key, display {SET-CK}, press  key to enter stable mode settings: press  key to select, stable alarm {Lim-St} or unstable alarm {Lim-uS}, press  key to set and display {Lim-BZ}; press  key to enter buzzer alarm settings: press  key to select, buzzer tweet {Lim-BZ} or no buzzer tweet {Lim-Mu}, press  key to set and return to normal weighing mode.

5. 6 Single-Point Calibration

In the mode of power off, press and hold  key, then press  key to display {CAL}. When no-load, press  key to calibrate zero point, display {C-ZERO} first, and 1 second later automatic display {SPAN}, place 1/3 or 2/3 or full capacity weights, display {on1} or {on2} or {on3} stable, then display {pass} and count backward to the weighing mode.

【6】 Function Settings

6. 1 Using Function Settings

In weighing mode, press  key to enter user function settings: display {SPED-X}, then press  key to set weighing speed, {SPED-F} fast, {SPED-M} middle, {SPED-S} slow. Press  key to display {AJ-X} and press  to set anti-shaking function, AJ0-AJ9 express that 0-9d division are locked, then press  key to display {APF-XX}, press  key to set automatic power off time: {APF-0} - no power off, {APF-10} - 10min. power off, {APF-20} - 20 min. power off, {APF-30} - 30 min. power off, {APF-60} - 60 min. power off. Press  key to display {PS-XXX} and press  key to set power saving mode: {PS-on} - turn on power saving mode and {PS-off} - turn off power saving mode, then press  key to display {Save-x} and press  key to set save unit when turn on: {Save-Y} - save the unit when turn on and {Save-N} - not save the unit when turn on. Then press  key to return weighing mode.

6.2 Units Settings

When counting backward before entering weighing mode, press and hold key to display {1 11110}, press key to move and press key to change figure, then press key to set: 1- on, 0- off. The units are from left to right: g,kg,lb, lb-oz,pcs,nothing.

【7】 Error Messages

Error Messages	Solutions
Low voltage lamp flicker	Recharge the Battery
Display B-Err	Recharge the Battery
O-load	Overload,loss weight
O-zero	Exceed initial zero, modify settings or remove objects

【8】 Detailed Modes

Capacity		3kg	6kg	15kg	30kg
Devision		0.5/1g	1/2g	2/5g	5/10g

【9】 Warranty

Thank you for using our products. We shall supply good service after sales and solve your problem on time in the future.

During one year warranty period, repair or at it option, replace any component(s) that proves to be defective at no charge exclude the artificial damage, in the meantime you must show the invoice and valid warranty card of product to our service center.

In the following situation, you must pay for the item:

1. The artificial damage;
2. The damage by nature and man made disaster;
3. The user's own disassembly or the other unauthorized man's maintenance;
4. The battery is consumable to not be in the scope of warranty.